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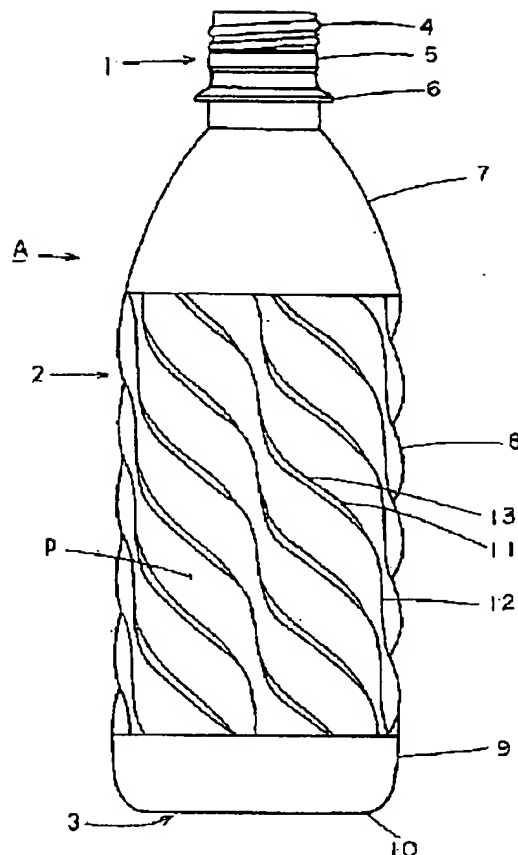
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TITLE : PLASTIC BOTTLE



ABSTRACT : PROBLEM TO BE SOLVED: To make deformation due to pressure reduction in a bottle inconspicuous by placing, in a plastic bottle including a mouth cylinder and a circular body, spiral ribs comprising gradient ribs and longitudinal ribs alternately connected like stairs on a body cylinder wall peripheral face in parallel along a vertical direction of the bottle.

SOLUTION: The bottle A comprises a mouth cylinder 1, a body 2 and a bottom 3, while it is molded by biaxially oriented blow-molding with PET or other resin having rigidity as a material. The body 2 is formed of a shoulder peripheral wall 7 of a rotating oval face connected to the mouth cylinder 1, a cylindrical body cylinder wall 8 and a bottom peripheral wall 9, wherein numerous spiral ribs 13 comprising gradient ribs 11 and longitudinal ribs 12 alternately connected like stairs are placed in parallel in a vertical direction of the bottle on a peripheral face of the body cylinder wall 8 in this case. In forming the spiral ribs 13, numerous spiral curves drawn on the body cylinder wall 8 and two straight lines extending longitudinally at points dividing a circumference by 60° are assumed to be virtual lines, wherein the gradient ribs 11 are placed along the spiral curves and the longitudinal ribs 12 are placed along the straight lines.

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